

Abstract of the Disclosure

A laser scanning device is provided with a laser source which emits a laser beam, a deflector which dynamically deflects the laser beam emitted by the laser source, the laser beam scanning in a main scanning direction within a predetermined angular area, a photodetector which receives light and output electronic signal corresponding to the received light, and a sensor lens arranged to receive the laser beam scanning at a predetermined scanning range, the sensor lens having power at least in the main scanning direction, the sensor lens converging the incident laser beam on the photodetector, the sensor lens having width in the main scanning direction varying in the auxiliary scanning direction.